

Napakiak Ircinraq Power Co. Purchased Power Update

Date: **December 17, 2020**

Utility Name (Cert. No.) Napakiak Ircinraq Power Company (319)	Utility File No. PC104-0116X	Date Filed: November 12, 2020
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PCE AMOUNT SUMMARY	Previously Approved PC104-0116W	Staff Recommended Amount(s) and Effective Date PC104-0116X
Class Rate	<u>Date Approved:</u> October 2, 2020	December 18, 2020
Residential	\$0.3677	\$0.3518
Community Facilities	\$0.3677	\$0.3518
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Power Purchase Price: <u>\$0.3586</u>	New Power Purchase Price: \$0.3429
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

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Signed: *Brenda Cox*
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/17/20)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
McAlpine		<i>SM</i> SM		
Scott		<i>AGS</i> AGS		
Sullivan		<i>AS</i> DS		
Wilson		<i>JW</i> JW		

*If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Napaklak Ircinraq Power Co.

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR THE PERIOD ENDING October 31, 2015
Purchased Power Update

	PC104-0116W	PC104-0116X	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Purchased	602,367	602,367	602,367
B. Total kWh Sold (Appendix 2)	566,337	566,337	566,337
C. Total Non-Fuel Costs (Appendix 2)	120,006	120,006	120,006
D. Non-Fuel Cost/kWh (C / B)	\$0.2119	\$0.2119	\$0.2119
E. Total Fuel/Power Costs (Appendix 2)	216,009	206,552	206,552
F. Fuel/ Power Costs/kWh (E / B)	\$0.3814	\$0.3647	\$0.3647
G. Eligible Costs/kWh (D + F)	\$0.5933	\$0.5766	\$0.5766
H. Eligible Cost/kWh (G) less base rate in effect	\$0.3870	\$0.3703	\$0.3703
I. Lesser of (H) or 79.37 cents/kWh	\$0.3870	\$0.3703	\$0.3703
J. Average Class Rates (Appendix 3)			
Residential	\$0.5597	\$0.5597	\$0.5597
Community Facilities	\$0.5597	\$0.5597	\$0.5597
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.3677	\$0.3518	\$0.3518
Community Facilities	\$0.3677	\$0.3518	\$0.3518
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.3677	\$0.3518	\$0.3518
Community Facilities	\$0.3677	\$0.3518	\$0.3518

PC104-0116X
Appendix 1

Napaklak Ircinraq Power Co.

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR THE PERIOD ENDING October 31, 2015

Purchased Power Update

	PC104-0116W		PC104-0116X
	Prior Commission Approval	Utility Request	Per Staff
Non-Fuel Costs:			
A. Personnel Expenses	68,208	68,208	68,208
B. Operating Expenses	-	-	-
C. General & Administrative	48,548	48,548	48,548
D. Depreciation Expense	3,250	3,250	3,250
E. Interest Expense	-	-	-
F. Total Non-Fuel Costs	\$120,006	120,006	120,006
Fuel Costs:			
G. kWh purchased from AVEC During Test Year	602,367	602,367	602,367
H. AVEC power cost Weighted average cost per kWh	\$0.3586	\$0.3429	\$0.3429
Total Cost of Fuel/Power	\$216,009	\$206,552	\$206,552
I. kWh Sales	566,337	566,337	566,337
J. kWh Station Service	2,060	2,060	2,060
K. Line Loss ≤ 12%	5.64%	5.64%	5.64%

(purchased power- (kWh sold + Station Service))/purchased power

Weighted Average Cost of Purchased Power:

Purchased Power Cost: 267,069.54

Divided by kWh Purchased: 778,841

Avg Cost per kWh: 0.3429

PC104-0116X
Appendix 2

Napaklak Ircinraq Power Company

Calculation of Average Class Rate per kWh

Rate Schedule: ALL

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2063
500	0.7660	0.0000	0.7660	383.00	0.7660	0.5597
500				383.00	0.7660	0.5597
TOTAL (A)						(E)

Computation of Community Facilities Average Rate

Rate Schedule: ALL

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.2063 kWh
0 to ∞	0.7660	0.0000	0.7660	0.5597
Next to				
Next to				
Next to				

Napakiak Ircinraq Power Company

Power Purchases From
Alaska Village Electric Cooperative
4631 Eagle St.
Anchorage, AK 99503-7431

Napakiak Ircinraq Power Company

	kWh				Customer		
Month	Purchased	Elec Serv Chg	Demand Chg	Fuel Cost Chg	Serv Chg	Other	Total
11/19	69,467	138.93	4,143.60	20,319.10	33.42	1,478.10	26,113.15
12/19	77,916	155.83	3,995.86	22,790.43	33.42	1,618.53	28,594.07
1/20	81,305	162.61	4,065.82	21,049.86	33.42	1,518.70	26,830.41
2/20	71,980	143.96	4,483.12	18,635.62	33.42	1,397.77	24,693.89
3/20	78,024	156.05	4,102.01	20,106.78	45.00	1,464.59	25,874.43
4/20	63,968	127.94	3,810.57	16,484.55	45.00	1,228.08	21,696.14
5/20	53,486	106.97	3,810.57	14,236.73	45.00	1,091.96	19,291.23
6/20	50,629	101.26	3,810.57	13,558.45	45.00	1,050.92	18,566.20
7/20	46,607	93.21	4,314.58	12,481.35	45.00	1,016.05	17,950.19
8/20	57,939	115.88	3,810.57	15,516.06	45.00	1,169.25	20,656.76
9/20	63,679	127.36	3,810.57	13,359.85	45.00	1,040.57	18,383.35
10/20	63,841	127.68	3,810.57	13,393.84	45.00	1,042.63	18,419.72
	778,841	1,557.68	47,968.41	201,932.62	493.68	15,117.15	267,069.54

Signature: 

Email: bob.pickett@alaska.gov

Signature: 
Stephen McAlpine (Dec 17, 2020 08:49 AKST)

Email: stephen.mcalpine@alaska.gov

Signature: 
Antony Scott (Dec 17, 2020 09:21 AKST)

Email: antony.scott@alaska.gov

Signature: 
Daniel Sullivan (Dec 17, 2020 10:34 AKST)

Email: daniel.sullivan@alaska.gov

Signature: 
Jan Wilson (Dec 17, 2020 16:46 AKST)

Email: janis.wilson@alaska.gov

Purchased Power Cost: \$267,069.54

Divided by kWh Purchased: 778,841

Avg Cost/kWh \$0.3429